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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	Not Yet Assigned
				Filing Date	November 26, 2003
				First Named Inventor	Paul R. Heaton
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	3	Attorney Docket Number	HO-P02375US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           IG         </div> <div style="margin-left: 10px;">             AA AB AC AD AE AF AG AH AI           </div> </div>		5937790-	08-17-1999	Ito et al.	
		5895652-	04-20-1999	Giampapa	
		3384545-	05-21-1968	Aiello, Ronald Eugene, et al.	
		2001/0006673-A1	07-05-2001	Hayek	
		6310090-B1	10-30-2001	Hayek	
		6133323-	10-17-2000	Hayek	
		5733884-	03-31-1998	Barbul et al.	
		5834044-	11-10-1998	Schmitz et al.	
		5643623-	07-01-1997	Schmitz et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
IG      IG	BA	IB-00/44375-A1	08-03-2000	Mars UK Limited		
	BB	IB-01/17364-A1	03-15-2001	Effem Foods Pty Ltd		
	BC	EP-0 848 955-A1	06-24-1998	Showa Denko Kabushiki Kaisha		
	BD	EP-0 845 216-A1	06-03-1998	Sowa Denko Kabushiki Kaisha		
	BE	IB-00/72698-A1	12-07-2000	The Iams Company		
	BF	IB-01/17364-A1	03-15-2001	Effem Foods Pty Ltd		

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
No date	CA	Bohr, Vilhelm A.; DNA Damage and Its Procesing With Aging: Human Premature Aging Syndromes as Model Systems; The Role of DNA Damage and Repair in Cell Aging, B.A. Gilcrest and V.A. Bohr, editors; pages 191 - 206		
IG	CB	Chew, Boon P., et al.; Carotenoid Supplementation Enhanced Canine and Feline Immunity; Presented at the 16th Annual Veterinary Medical Forum, American College of Veterinary Internal Medicine; San Diego, CA; May 25, 1998; pages 32 - 35.		
No date	CC	Turek, John J., et al.; INgestion of Oxidized Lipids Alters Canine Anti-Oxidant Status and Immune Function; pages 12 - 15		
No date	CD	Moore, Anne S., et al.; The Newest Antioxidant Explained; Research.		
IG	CE	Greeley, E. H., et al.; The influence of age on the canine immune system; Veterinary Immunology and Immunopathology, Vol. 55, pages 1 - 10, 1996		
	CF	Thomas, James A.; Oxidative Stress, Oxidant Defense, and Dietary Constituents; Chapter 33 in Nutrition in Integrated Biologic Systems; pages 501 - 512		
IG	CG	Kapahi, Pankaj, et al.; Positive Correlation Between Mammalian Life Span and Cellular Resistance to Stress; Free Radical Biology & Medicine, Vol. 26, Nos. 5/6, pages 495 - 500, 1999		
IG	CH	Collins, Andrew R., et al.; Serum carotenoids and oxidative DNA damage in human lymphocytes; Carcinogenesis, Vol. 19, No. 12, pages 2159-2162, 1998		
IG	CI	Barnett, Yvonne, et al.; Age-related increases in DNA damage and mutations in T cells in vivo and in vitro: contributors to alterations in T cell-mediated immune response ?; EUCAMBIS: Immunology and Ageing in Europe, G. Pawelec (Editor), IOS Press, 2000; pages 54 - 66		
IG	CJ	Prasad, Kailash, et al.; Oxidative Stress as a Mechanism of Cardiac Failure in Chronic Volume Overload in Canine Model; J Mol. Cell Cardiol. 28, pages 375 - 385, 1996		
IG	CK	Abstract ZA 19960005149 19960618; Vitamin and nutrient supplements - comprising antioxidant, carotenoid and gluten, used for preventing and treating viral infections in birds, humans, cats and dogs		
IG	CL	Abstract JP19930254817 19930917; Prepn. contg. water-soluble hemi-cellulose and alcohol(s) - used to give flavour, taste and colour to food, pharmaceuticals, cosmetics and pet food		
IG	CM	Charlton, C. J., et al.; Abstract - The Influence of Age on Antioxidant Enzyme Status in Cats; Presented at FASEB/Experimental Biology Meeting, 2000 (#363.9)		
IG	CN	Charlton, C. J., et al.; Abstract - Glutathione Peroxidase: Assay Validation and Normal Ranges in Cats; Presented at FASEB/Experimental Biology Meeting, 2000 (#363.10)		
IG	CO	Charlton, C. J., et al.; Abstract - Erythrocyte Catalase Activity in Dogs; Presented at FASEB/Experimental Biology Meeting, 2000 (#363.11)		
IG	CP	Charlton, C. J., et al.; Abstract - Erythrocyte Catalase Activity in Cats; Presented at FASEB/Experimental Biology Meeting, 2000 (#363.12)		
IG	CQ	Charlton, C. J., et al.; Abstract - Assay Validation and Normal Ranges of Plasma Total Antioxidant Capacity and Vitamin C Concentrations in Cats; Presented at FASEB/Experimental Biology Meeting, 2000 (#363.13)		
IG	CR	Harper, E. J., et al.; Abstract - Total Plasma Antioxidants Status in Kittens; Presented at FASEB/Experimental Biology Meeting, 2000 (#363.14)		
IG	CS	Charlton, C. J., et al.; Abstract - Feeding an Antioxidant Fortified Diet Increases the Antioxidant Capacity of Cats; Presented at FASEB/Experimental Biology Meeting, 2000 (#521.9)		
IG	CT	Haq, A. U., et al.; Neonatal Immune Response and Growth Performance of Chicks Hatched from Single Comb White Leghorn Breeders Fed Diets Supplemented with B-Carotene, Canthaxanthin, or Lutein; Poultry Science 74:844-851, 1995		

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Sheet	3	of	3	Attorney Docket Number	HO-P02375US1

IG	CU	Haq, Akram-UL, et al.; Effect of B-Carotene, Canthaxanthin, Lutein, and Vitamin E on Neonatal Immunity of Chicks When Supplemented in the Broiler Breeder Diets; Poultry Science 75:1092-1097, 1996	
IG	CV	Chew, Boon P.; Antioxidant Vitamins Affect Food Animal Immunity and Health; J. Nutr. 125: 1804S-1808S, 1995	
IG	CW	Chew, Boon P., et al.; Uptake of Orally Administered B-Carotene by Blood Plasma, Leukocytes, and Lipoproteins in Calves; J. Anim. Sci. 71:730-739; 1993	
IG	CX	MacDonald, M.L., et al.; Nutrition of the Domestic Cat, a Mammalian Carnivore; Ann. Rev. Nutr. 4:521-62; 1984	
IG	CY	Chew, Boon P.; Symposium: Immune Function: Relationship of Nutrition and Disease Control, Vitamin A and B-Carotene on Host Defense; J. Dairy Sci 70:2732-2743; 1987	
IG	CZ	Park, Jean Soon, et al.; Dietary Lutein Absorption from Marigold Extract is Rapid in BALB/c Mice; J Nutr. 128:1802-1806, 1998	
IG	CA1	Chew, Boon P., et al.; Dietary B-Carotene Stimulates Cell-Mediated and Humoral Immune Response in Dogs; J. Nutr. 130:1910-1913, 2000	
IG	CB1	Kalfelz, Francis A., et al.; Overnutrition: An Epidemic Problem in Pet Animal Practice?; Clinical Nutrition pages 433-446, 1989	
IG	CC1	Bendich, Adrienne; Carotenoids and the Immune Response; J. Nutr. 119:112-115, 1989	
	CD1	Bendich, Adrienne; Antioxidant Micronutrients and Immune Responses; Annals New York Academy of Sciences, pages 168-180	
No data			
	CE1	Sies, Helmut, et al.; Antioxidant Functions of Vitamins - Vitamins E and C, Beta-Carotene, and Other Carotenoids; Annals New York Academy of Sciences; pages 7-20	
No data			
IG	CF1	Palozza, Paola, et al.; Communication - B-Carotene and a-Tocopherol Are Synergistic Antioxidants; Archives of Biochemistry and Biophysics, Vol. 297 (1) August 15, pages 184-187, 1992	
IG	CG1	Schmidt, Karlheinz; Antioxidant vitamins and B-carotene: effects on immunocompetence; Am J Clin Nutr 1991;53:383S-5S	
IG	CH1	VPN Staff Report; Antioxidants may improve pet health; Veterinary Product News; March/April 1994, Vol. 6(3)	
IG	CI1	Antioxidant vitamin 'missing link' for pets; Feedstuffs, The Weekly Newspaper for Agribusiness; Vol. 67 (2); January 9, 1995	
IG	CJ1	Pharmacy Update: Antioxidant Vitamins in Canine Nutrition; Veterinary Technician; November/December 1994; pages 587-589	
IG	CK1	Machlin, Lawrence J.; Antioxidant vitamins - Role in disease prevention; Pet Food Industry; Vol. 35 (6); November/December, 1993	
IG	CL1	Harper, E. J., et al.; Abstract - Total Plasma Antioxidants in Cats; Normal Ranges and Influence of Age; Presented at FASEB/Experimental Biology Meeting, 2000 (#446.16)	
IG	CM1	Harper, Jean; Dietary antioxidants in cat and dog nutrition; Waltham focus, Vol 9 (2), 1999	

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